

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085496.D
 Acq On : 17 Mar 2016 7:36
 Operator : UM/SJ
 Sample : H1790-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Quant Time: Mar 17 07:07:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	72338	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	292698	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	118665	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	192627	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	127903	20.00	ng	-0.02
86) Perylene-d12	15.51	264	139580	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1229671	292.21	ng	0.00
7) Phenol-d6	6.54	99	1603849	293.81	ng	-0.01
23) Nitrobenzene-d5	7.46	82	852318	172.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	335991	307.41	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	1638959	239.61	ng	-0.01
78) Terphenyl-d14	13.01	244	957268	169.31	ng	-0.02

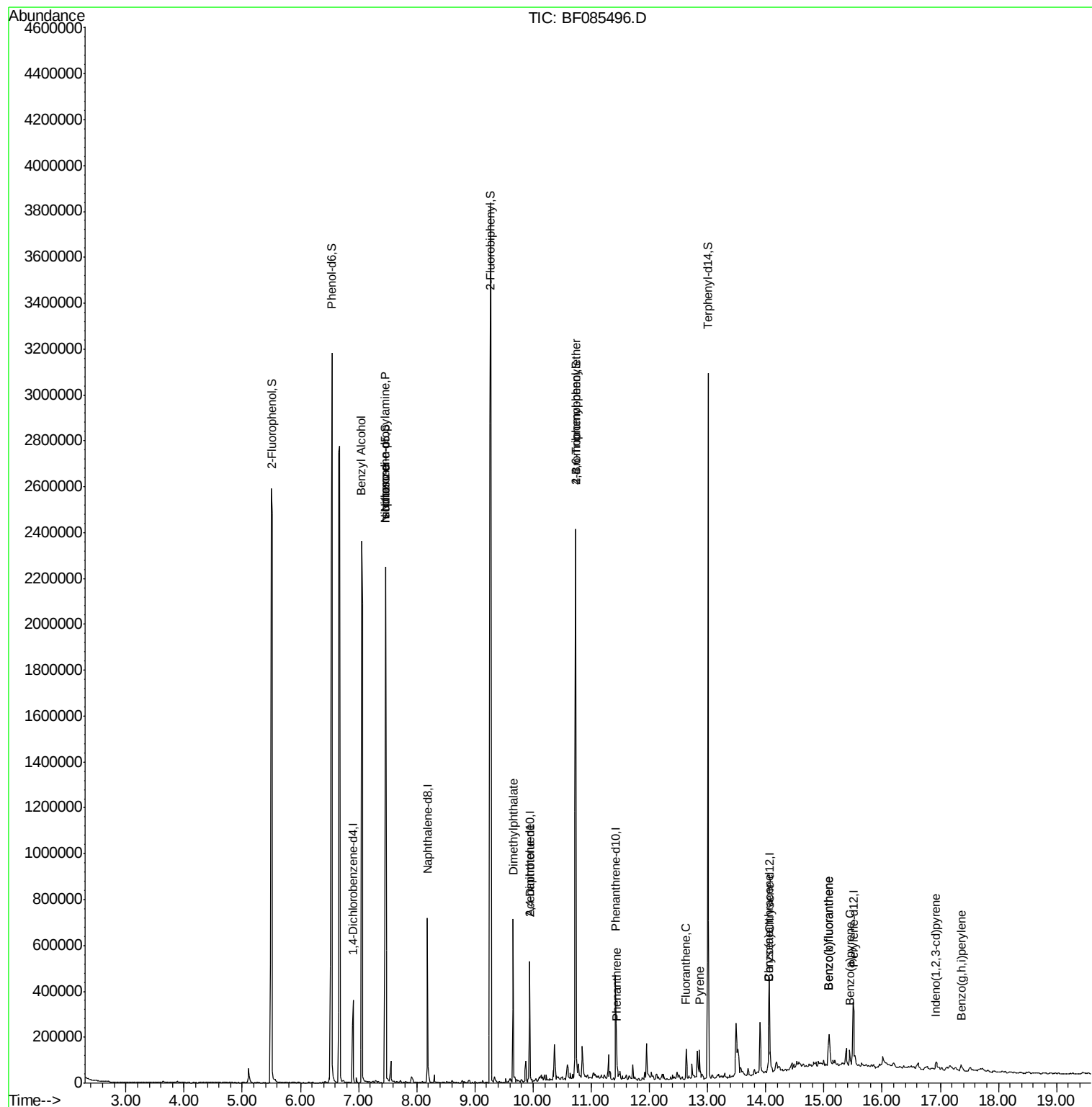
Target Compounds						Qvalue
15) Benzyl Alcohol	7.05	79	14729	3.78	ng	# 46
19) n-Nitroso-di-n-propylamine	7.46	70	112811	34.51	ng	# 78
25) Isophorone	7.46	82	689133	68.27	ng	# 67
49) Dimethylphthalate	9.66	163	326848	37.75	ng	99
56) 2,4-Dinitrotoluene	9.94	165	15909	6.63	ng	# 20
66) 4-Bromophenyl-phenylether	10.73	248	23180	11.89	ng	# 1
70) Phenanthrene	11.44	178	24341	2.43	ng	98
74) Fluoranthene	12.63	202	51650	5.48	ng	96
77) Pyrene	12.86	202	52166	5.44	ng	97
80) Benzo(a)anthracene	14.05	228	31618	4.31	ng	# 91
82) Chrysene	14.05	228	31618	4.79	ng	93
85) Indeno(1,2,3-cd)pyrene	16.93	276	26755	4.28	ng	97
87) Benzo(b)fluoranthene	15.09	252	91834	10.07	ng	98
88) Benzo(k)fluoranthene	15.09	252	91834	12.86	ng	99
89) Benzo(a)pyrene	15.44	252	29666	3.77	ng	# 94
91) Benzo(g,h,i)perylene	17.36	276	22559	2.87	ng	97

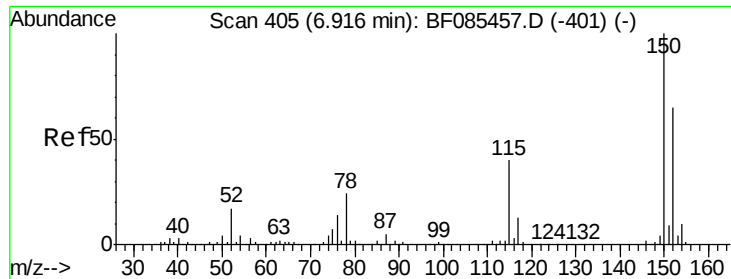
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

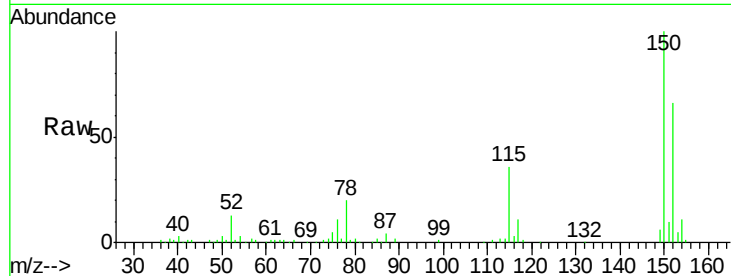
Tgt Ion:152 Resp: 72338

Ion Ratio Lower Upper

152 100

150 152.3 124.6 186.8

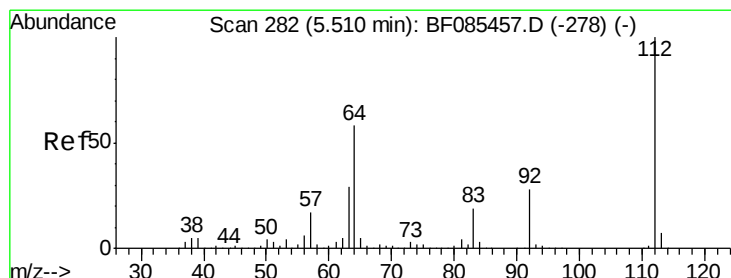
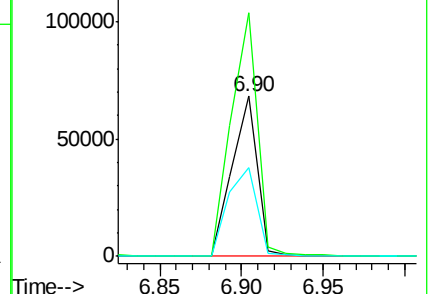
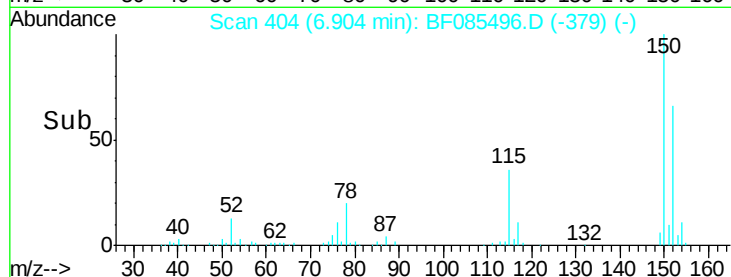
115 55.2 46.6 70.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 292.21 ng

RT: 5.51 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

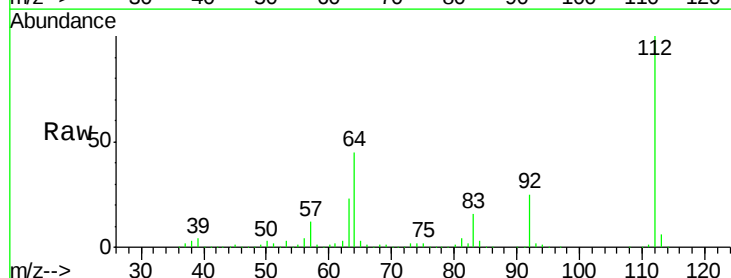
Tgt Ion:112 Resp: 1229671

Ion Ratio Lower Upper

112 100

64 44.6 49.0 73.4#

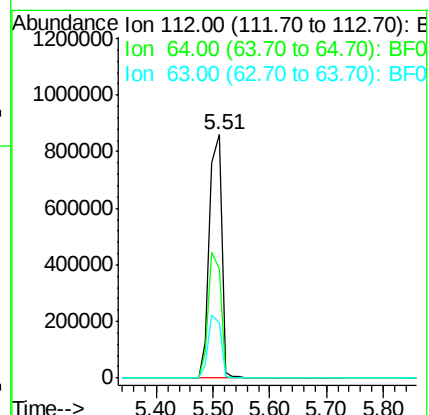
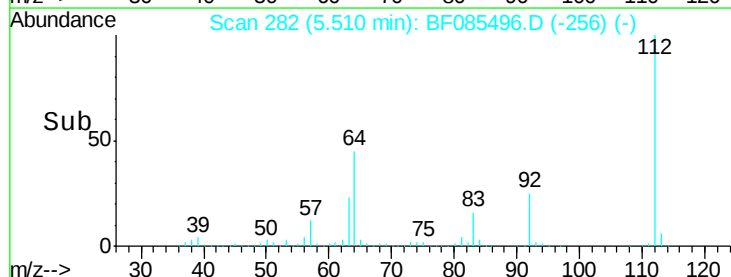
63 22.6 24.8 37.2#

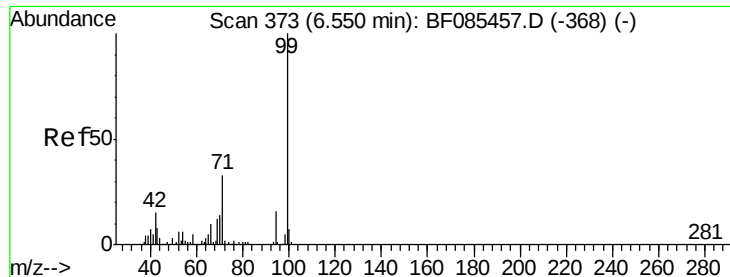


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 293.81 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

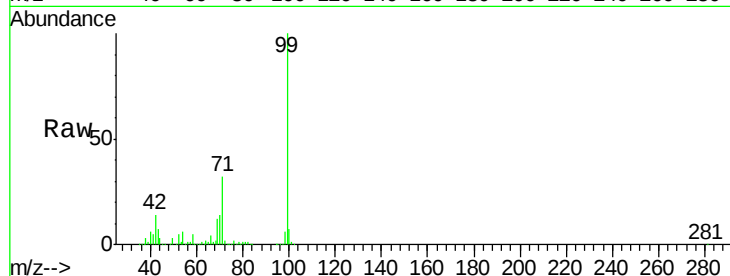
Tgt Ion: 99 Resp: 1603849

Ion Ratio Lower Upper

99 100

42 14.3 13.6 20.4

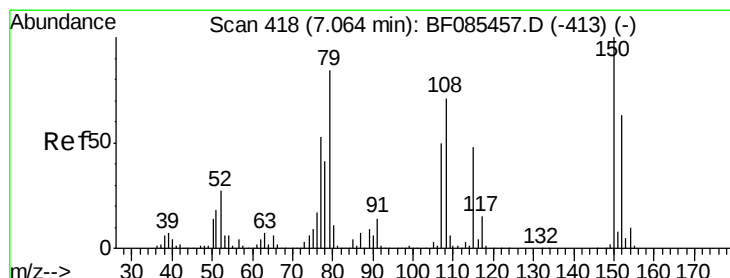
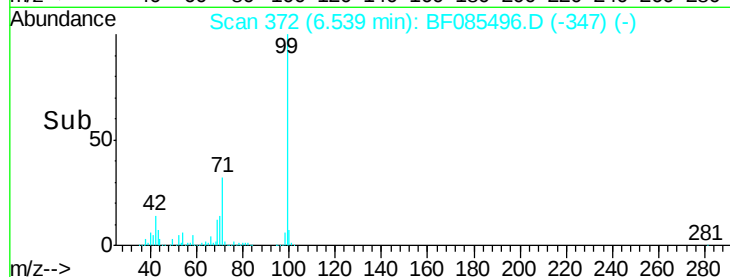
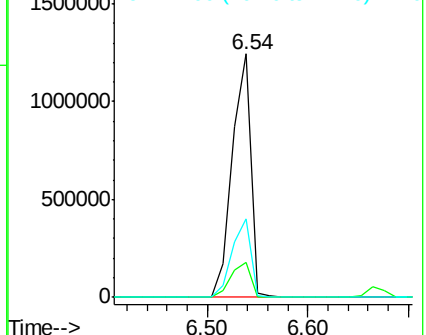
71 32.1 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 3.78 ng

RT: 7.05 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

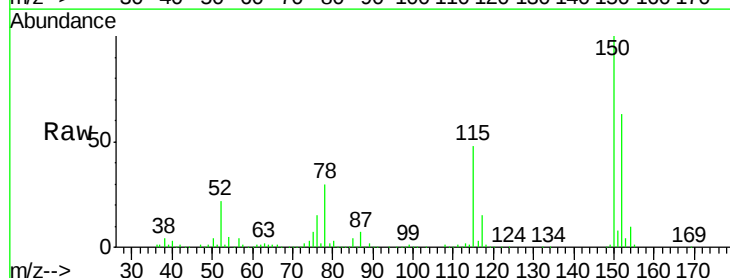
Tgt Ion: 79 Resp: 14729

Ion Ratio Lower Upper

79 100

108 28.3 62.9 94.3#

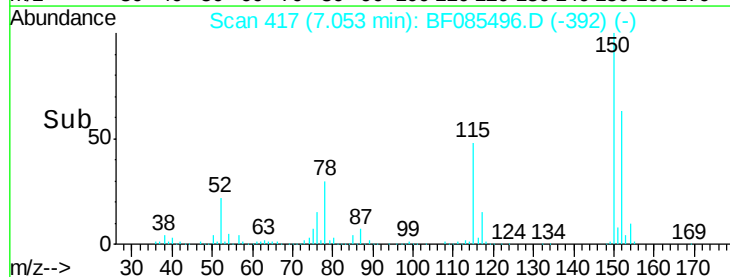
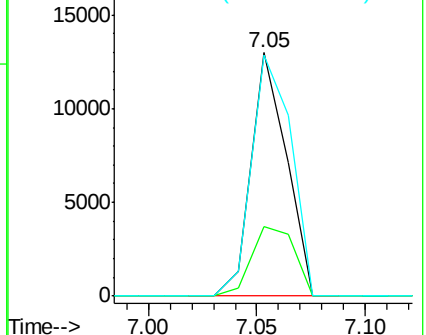
77 99.2 49.5 74.3#

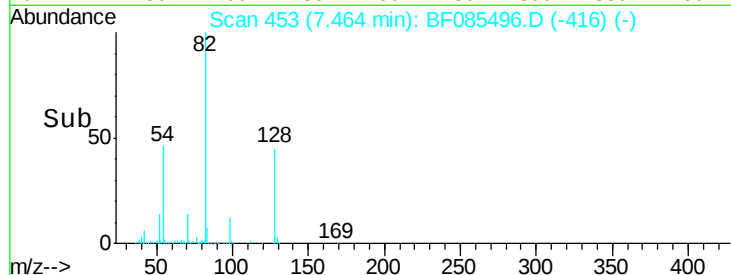
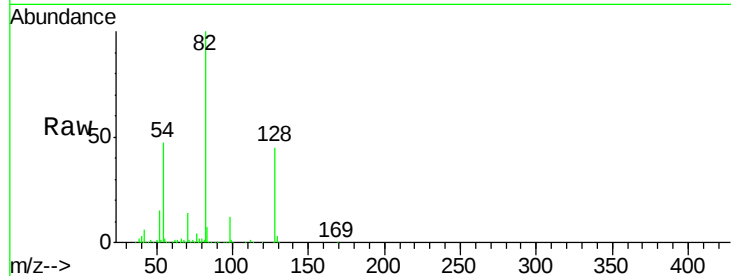
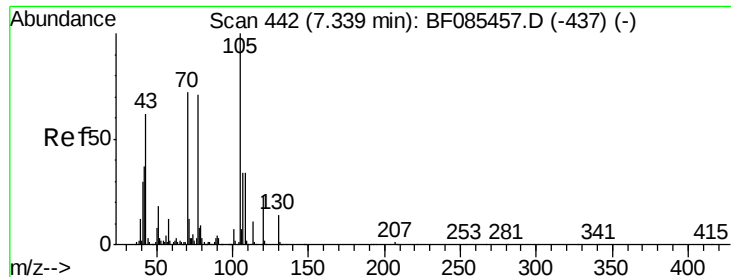


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

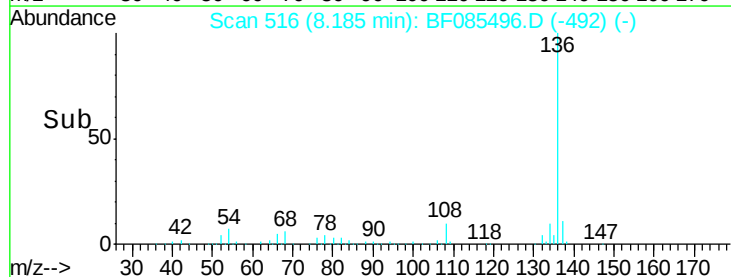
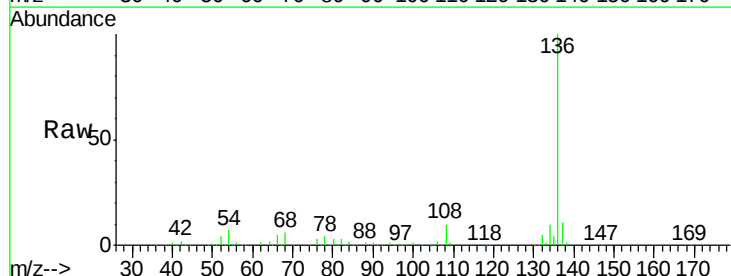
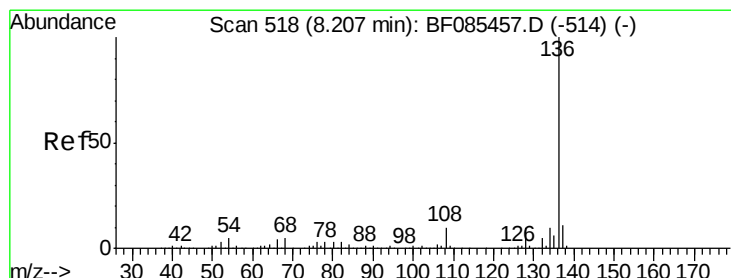
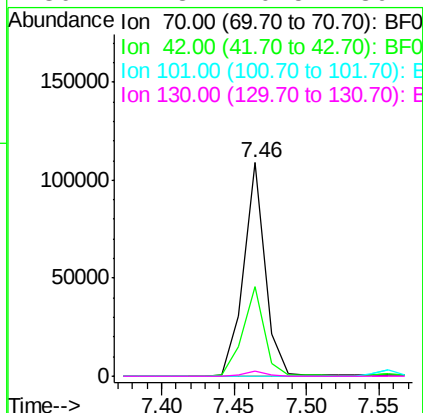




#19
n-Nitroso-di-n-propylamine
Concen: 34.51 ng
RT: 7.46 min Scan# 453
Delta R.T. 0.13 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

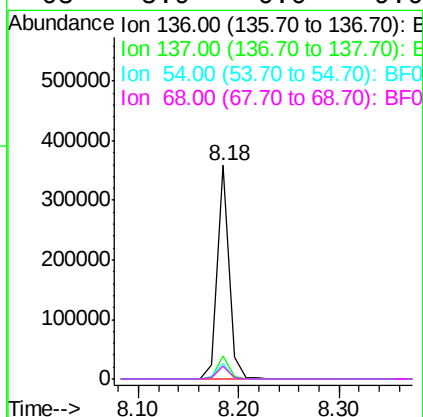
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

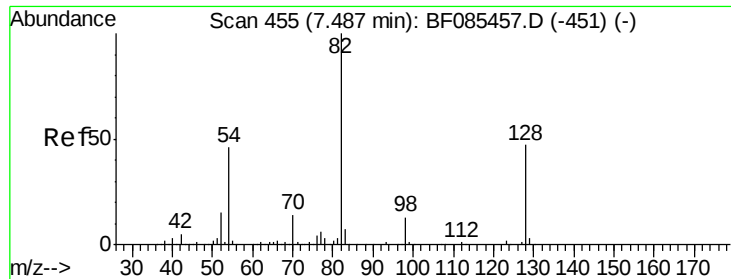
Tgt Ion: 70 Resp: 112811
Ion Ratio Lower Upper
70 100
42 41.8 37.7 56.5
101 0.0 8.2 12.4#
130 2.3 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion: 136 Resp: 292698
Ion Ratio Lower Upper
136 100
137 11.0 9.3 13.9
54 6.9 7.4 11.2#
68 5.9 6.0 9.0#

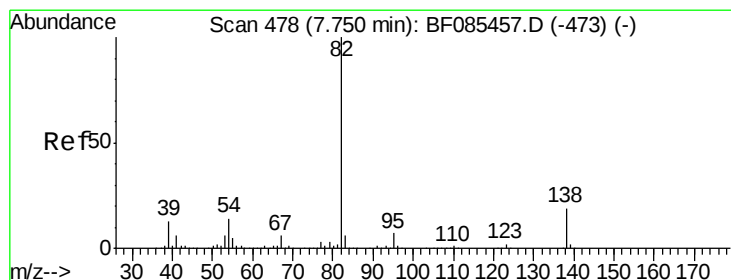
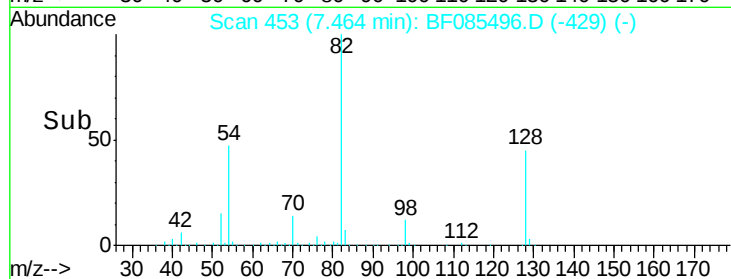
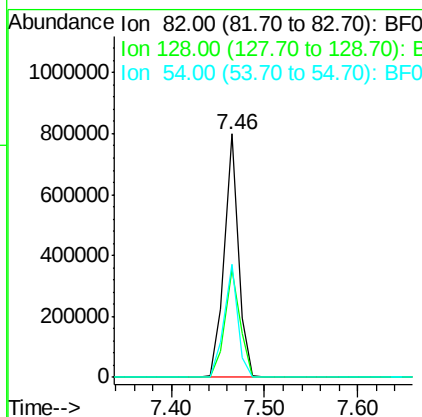
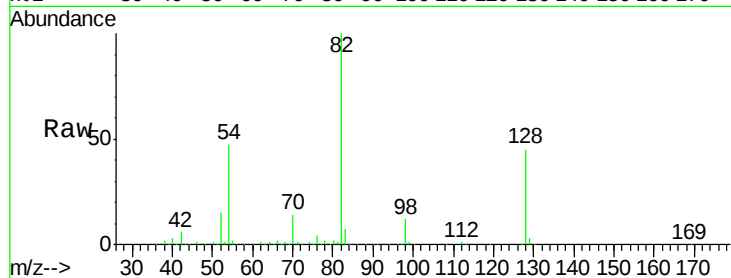




#23
 Nitrobenzene-d5
 Concen: 172.17 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

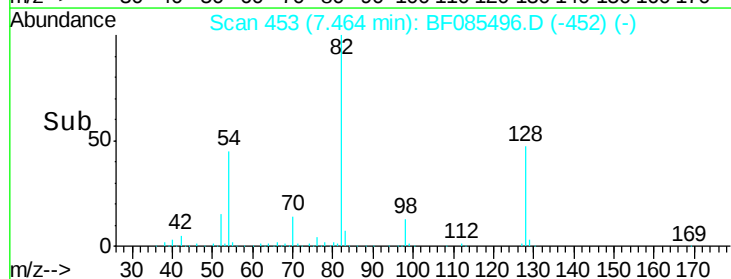
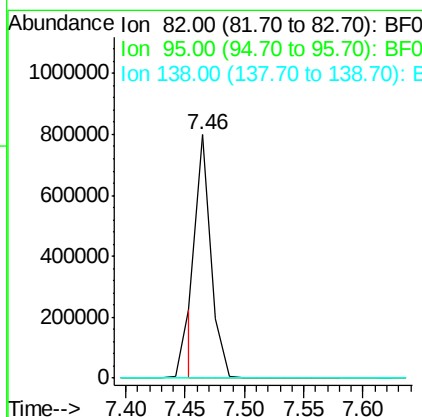
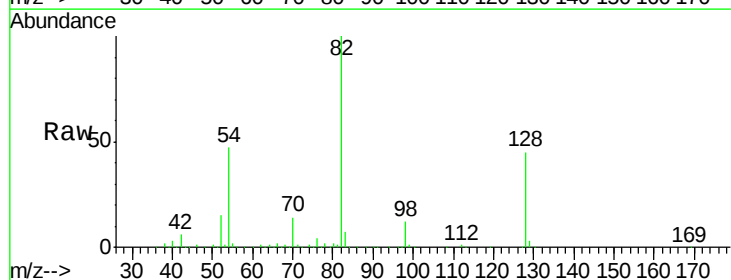
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

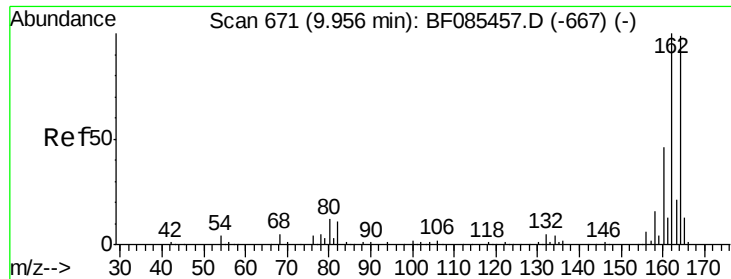
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.5	51.7
54	46.6	39.3	58.9



#25
 Isophorone
 Concen: 68.27 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.29 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	13.3	19.9#

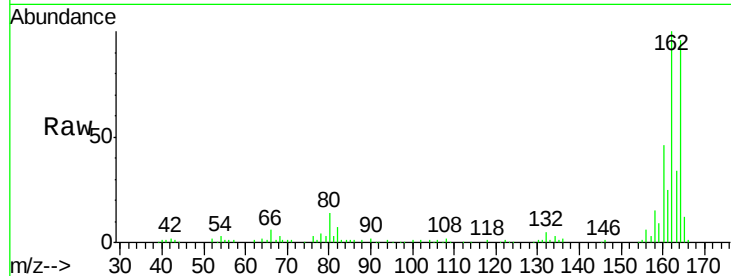




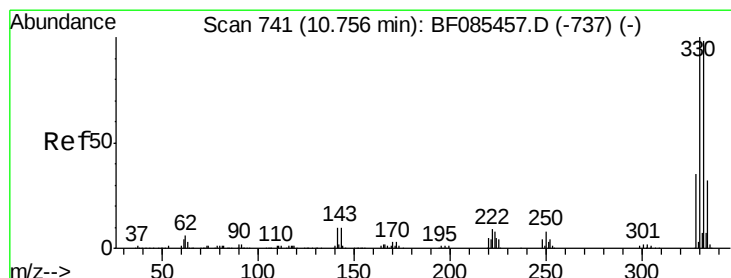
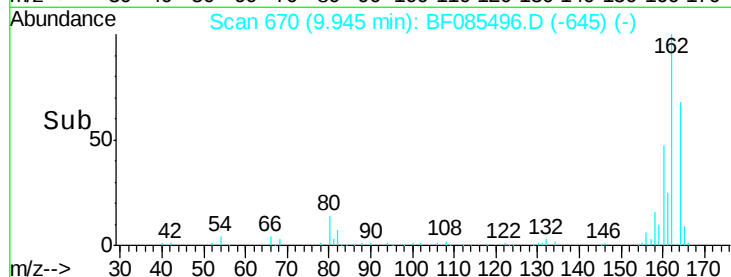
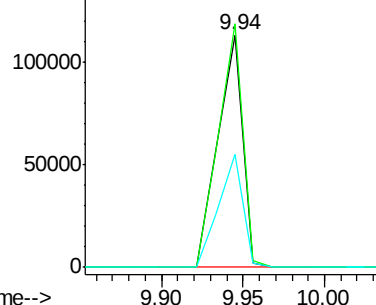
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tgt Ion:164 Resp: 118665
 Ion Ratio Lower Upper
 164 100
 162 104.7 83.3 124.9
 160 48.6 37.9 56.9

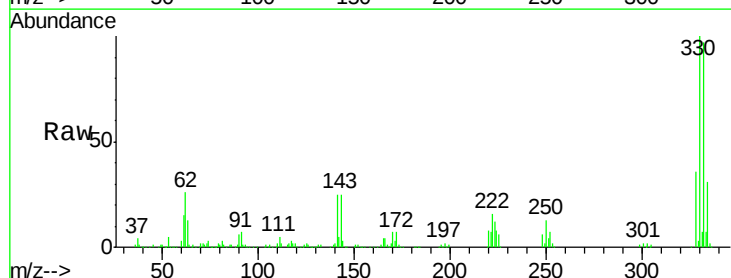


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

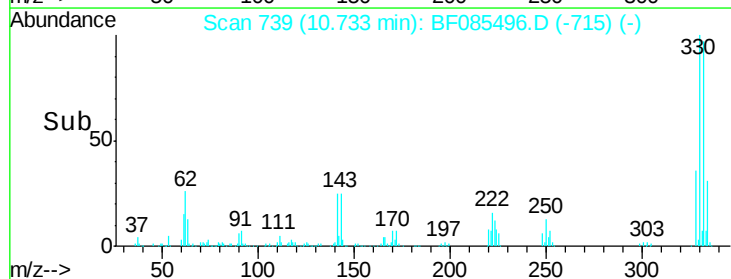
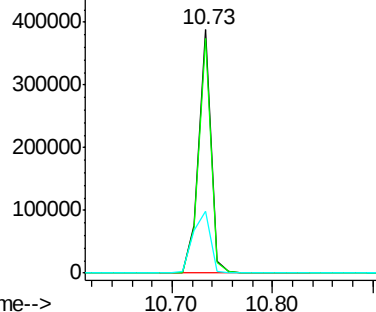


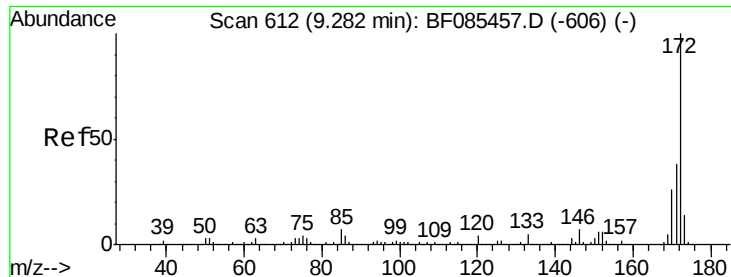
#41
 2,4,6-Tribromophenol
 Concen: 307.41 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Tgt Ion:330 Resp: 335991
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 36.4 35.0 52.6



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

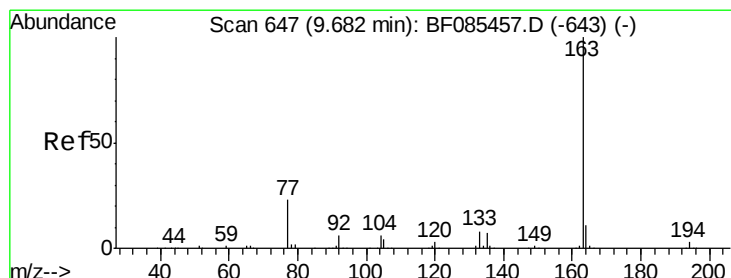
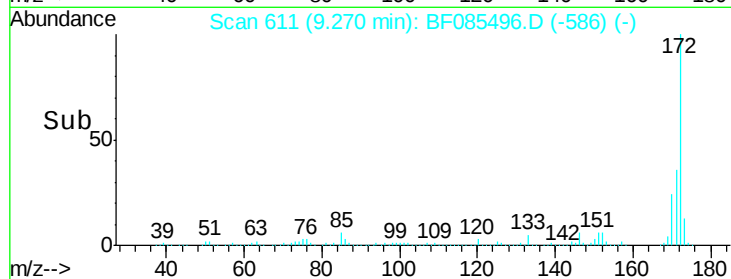
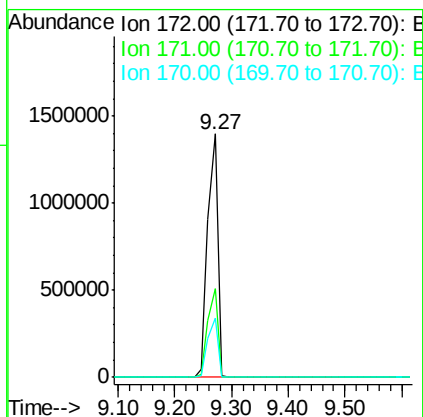
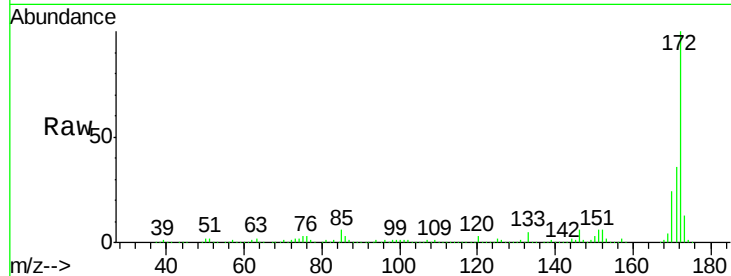




#44
 2-Fluorobiphenyl
 Concen: 239.61 ng
 RT: 9.27 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

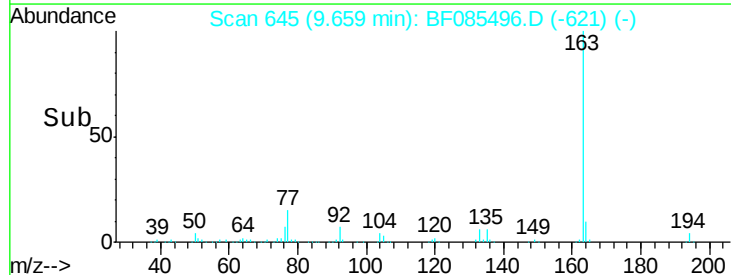
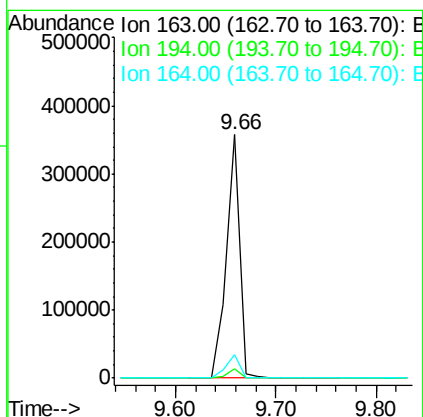
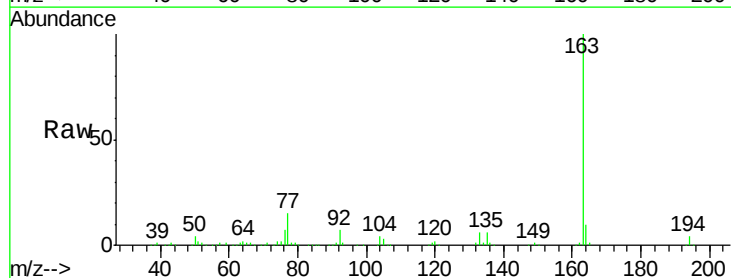
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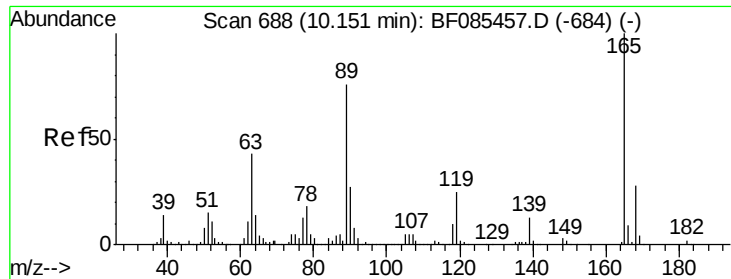
Tgt Ion:172 Resp: 1638959
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.4 20.0 30.0



#49
 Dimethylphthalate
 Concen: 37.75 ng
 RT: 9.66 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Tgt Ion:163 Resp: 326848
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.1 4.7
 164 9.7 8.2 12.4

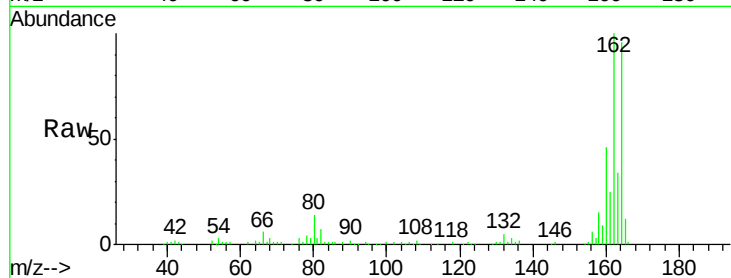




#56
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tgt Ion:	165	Resp:	15909
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.4	53.0#
89	0.0	61.9	92.9#
182	0.0	1.9	2.9#

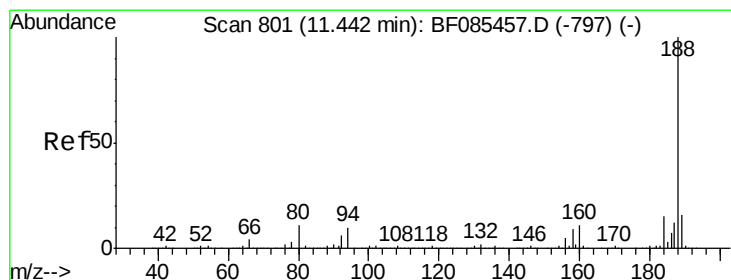
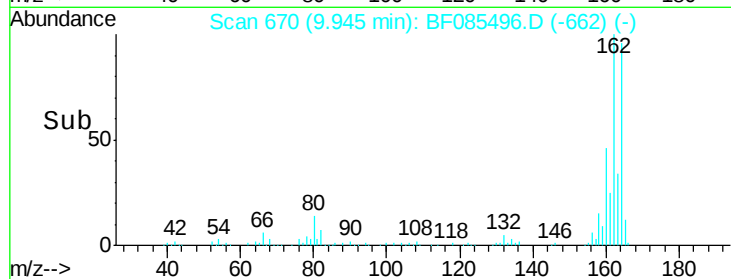
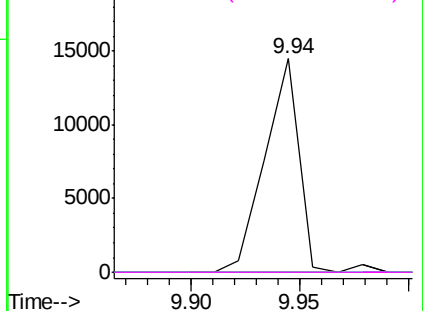


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

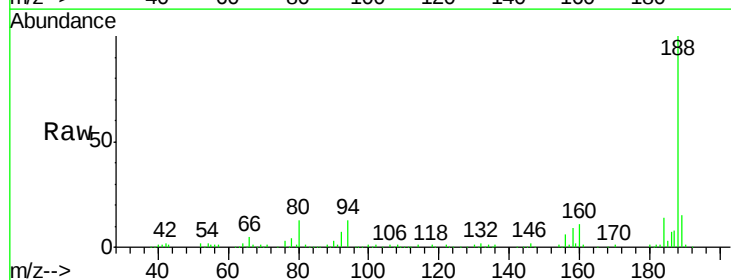
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

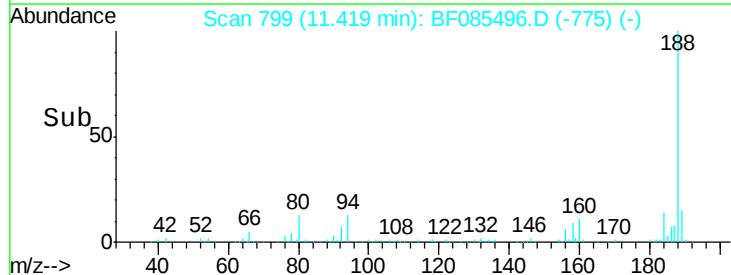
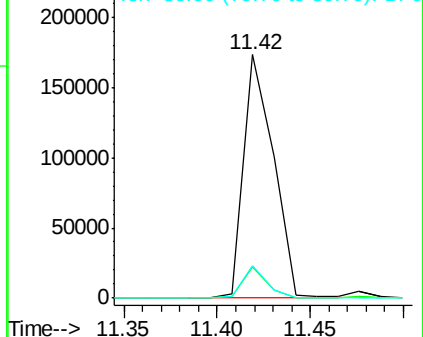
Tgt Ion:	188	Resp:	192627
Ion	Ratio	Lower	Upper
188	100		
94	12.6	7.0	10.6#
80	13.2	7.4	11.0#

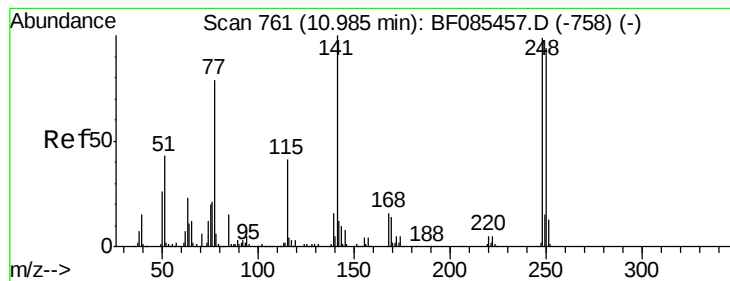


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 11.89 ng

RT: 10.73 min Scan# 739

Delta R.T. -0.25 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

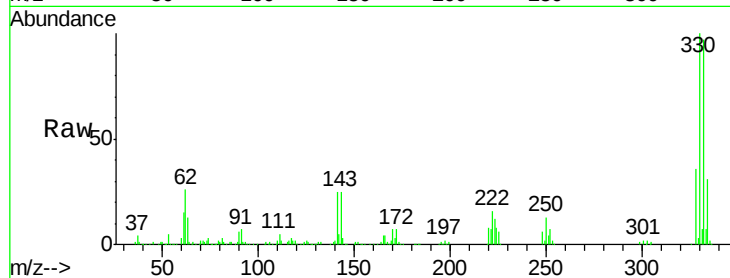
Tgt Ion:248 Resp: 23180

Ion Ratio Lower Upper

248 100

250 198.6 77.1 115.7#

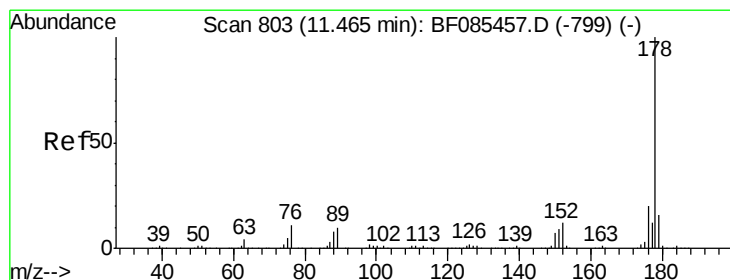
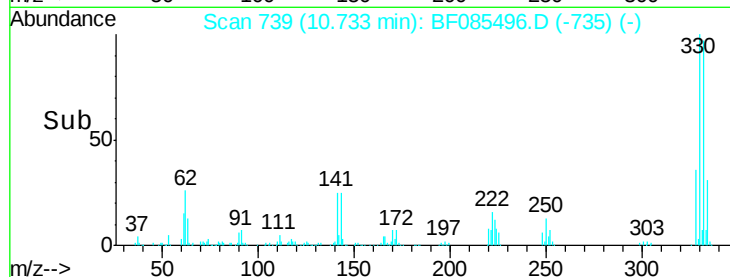
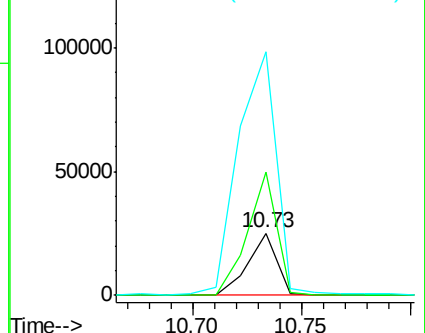
141 391.5 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 2.43 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

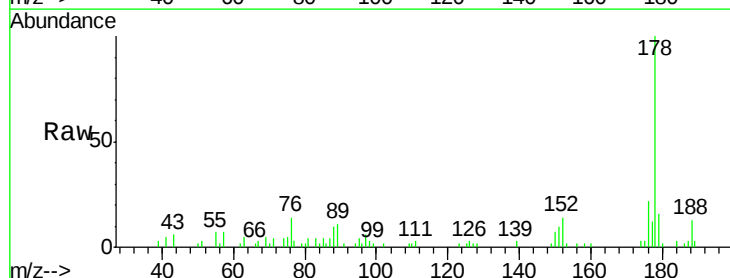
Tgt Ion:178 Resp: 24341

Ion Ratio Lower Upper

178 100

176 21.7 16.8 25.2

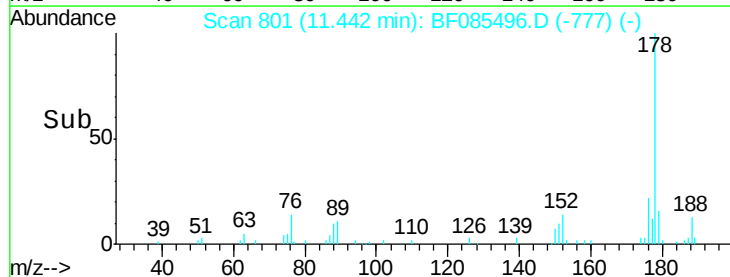
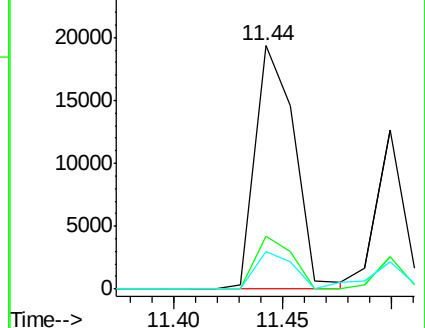
179 15.5 13.1 19.7

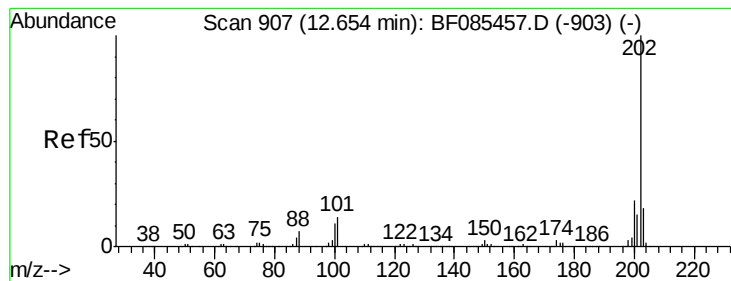


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.48 ng

RT: 12.63 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

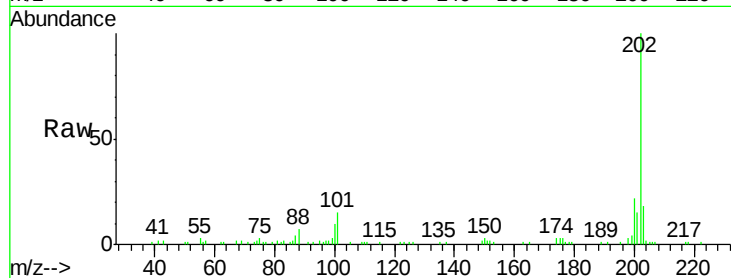
Tgt Ion:202 Resp: 51650

Ion Ratio Lower Upper

202 100

101 14.5 0.0 31.8

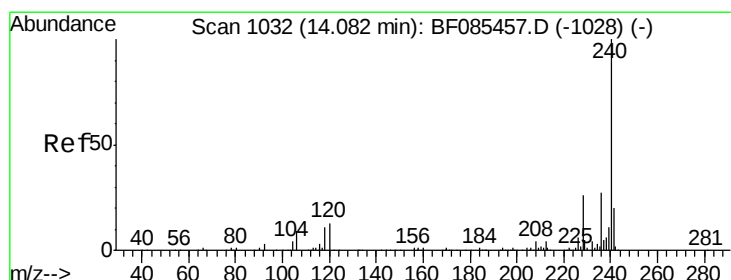
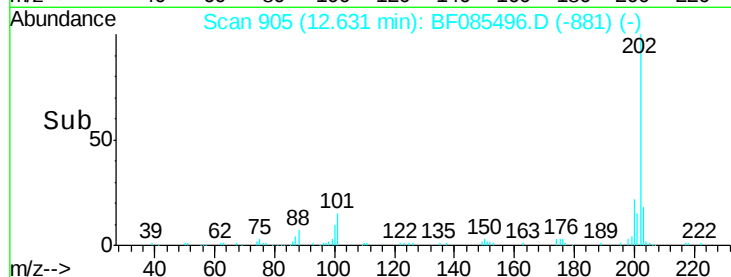
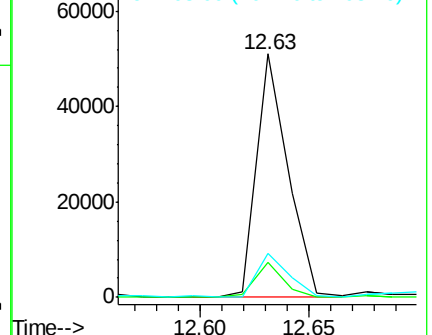
203 17.8 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

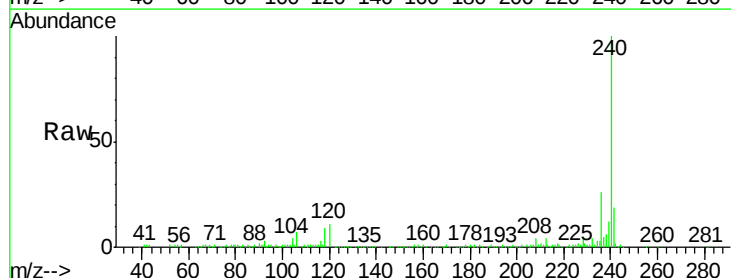
Tgt Ion:240 Resp: 127903

Ion Ratio Lower Upper

240 100

120 10.8 5.3 7.9#

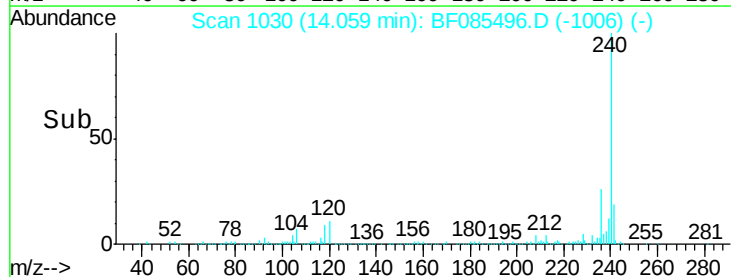
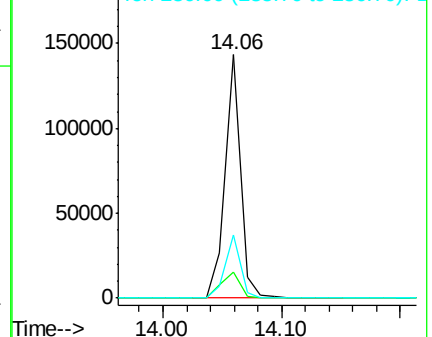
236 25.9 20.7 31.1

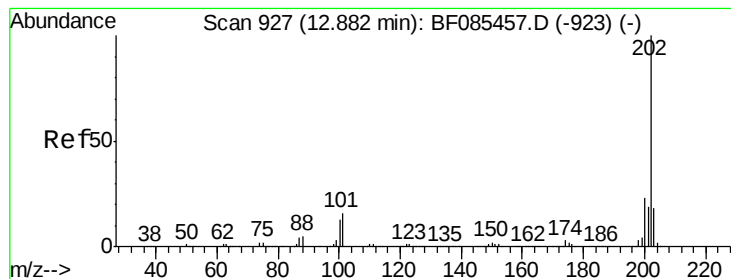


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.44 ng

RT: 12.86 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

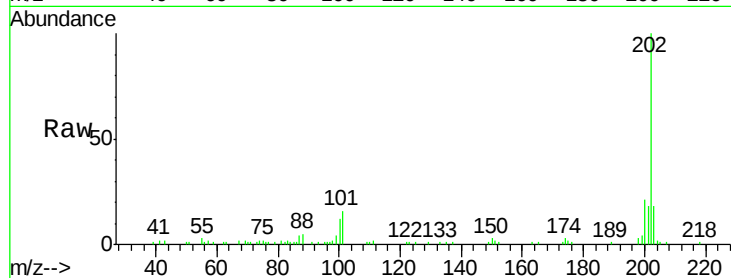
Tgt Ion:202 Resp: 52166

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

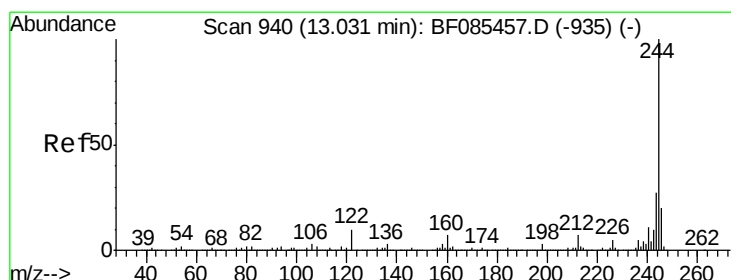
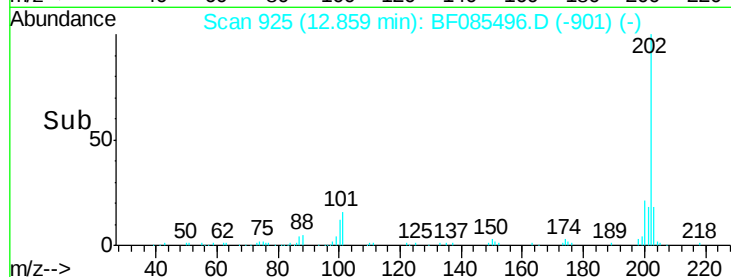
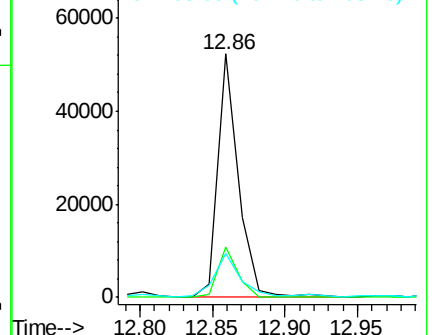
203 18.0 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 169.31 ng

RT: 13.01 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

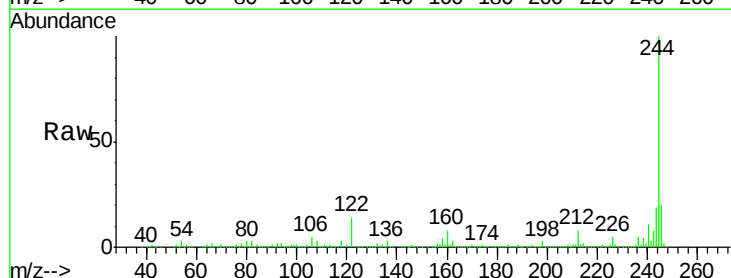
Tgt Ion:244 Resp: 957268

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

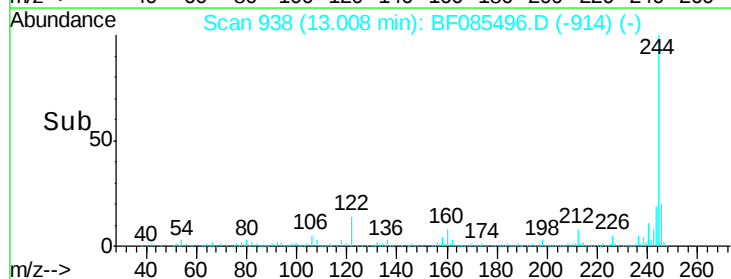
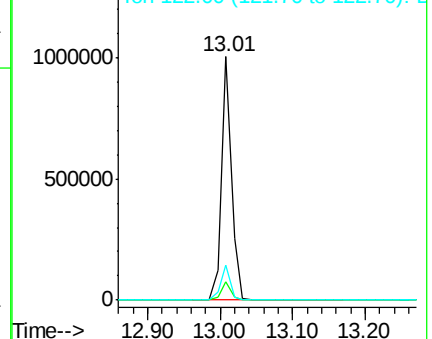
122 14.4 11.4 17.2

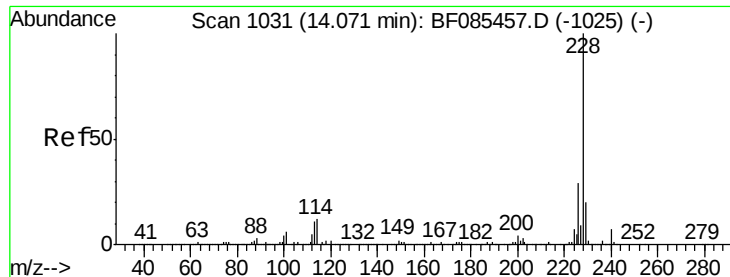


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.31 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

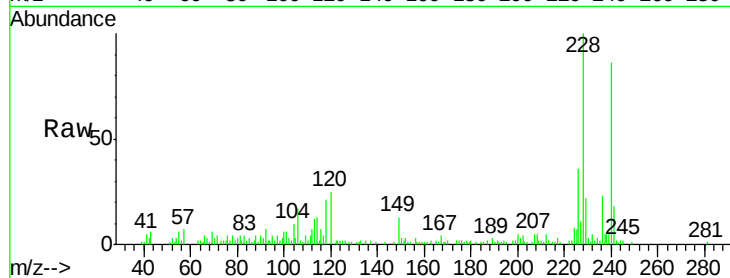
Tgt Ion:228 Resp: 31618

Ion Ratio Lower Upper

228 100

226 35.8 22.8 34.2#

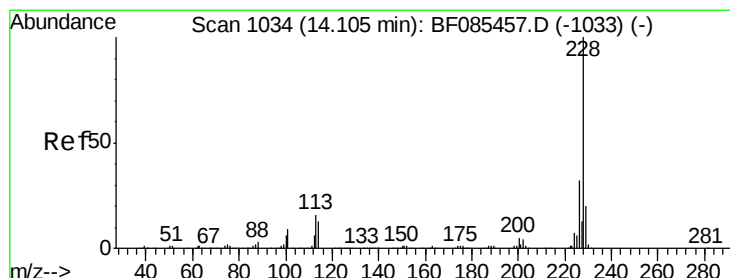
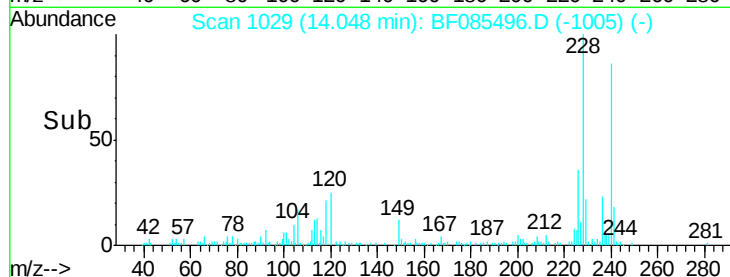
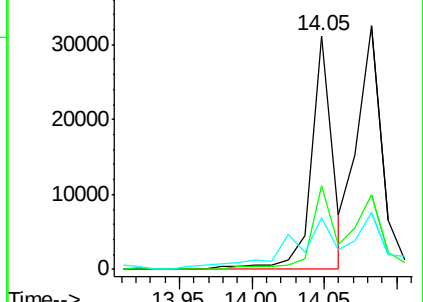
229 22.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.79 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

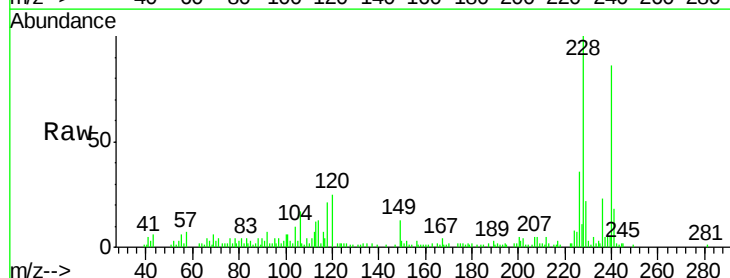
Tgt Ion:228 Resp: 31618

Ion Ratio Lower Upper

228 100

226 35.8 25.2 37.8

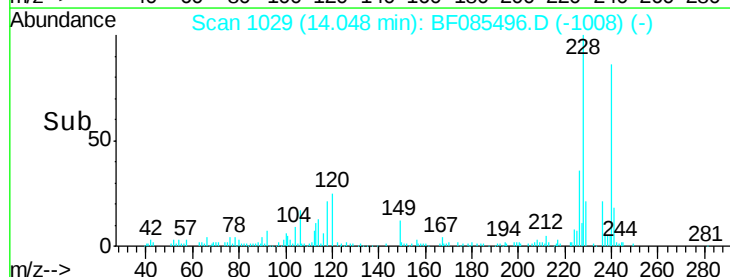
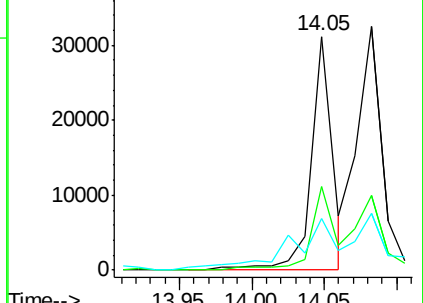
229 22.4 16.0 24.0

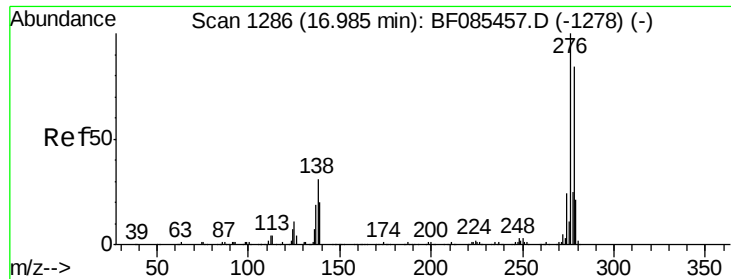


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

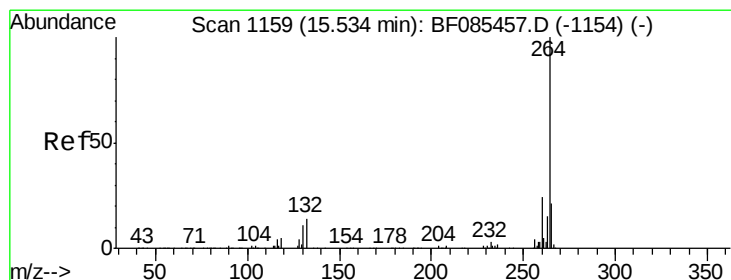
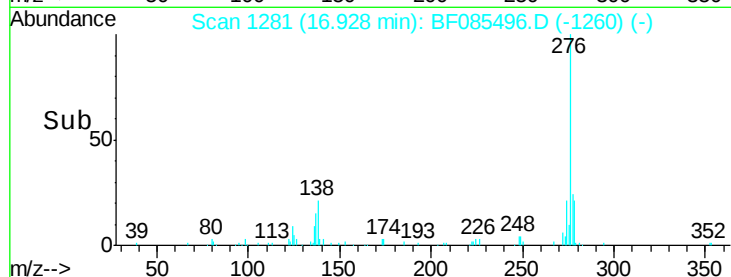
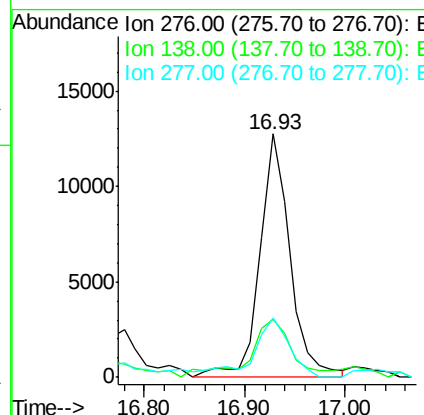
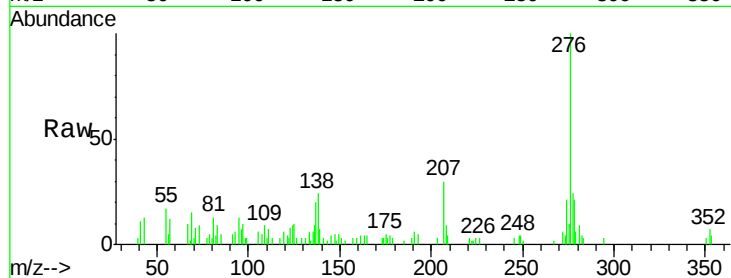




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.28 ng
 RT: 16.93 min Scan# 1281
 Delta R.T. -0.06 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

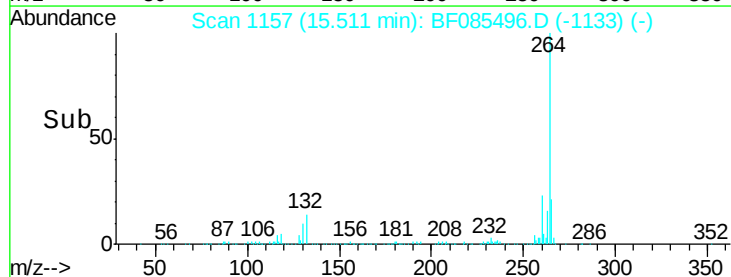
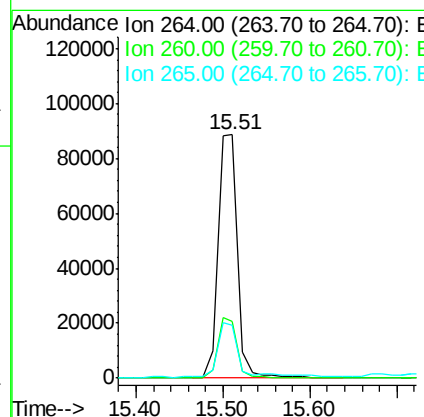
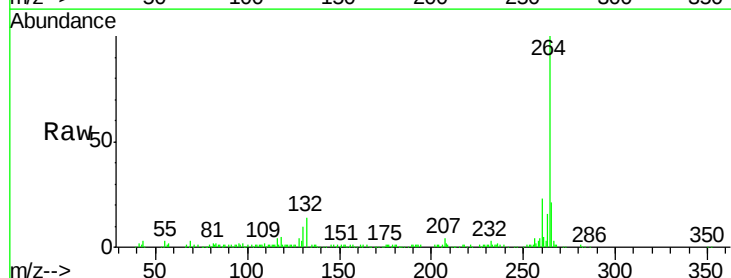
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

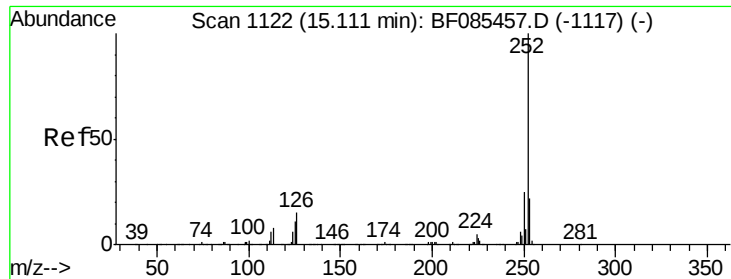
Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.2	26.4	39.6
277	29.0	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.3	25.9

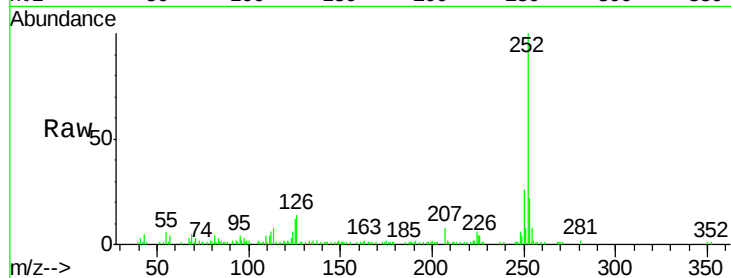




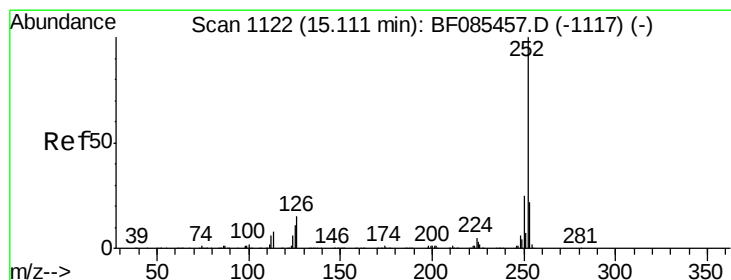
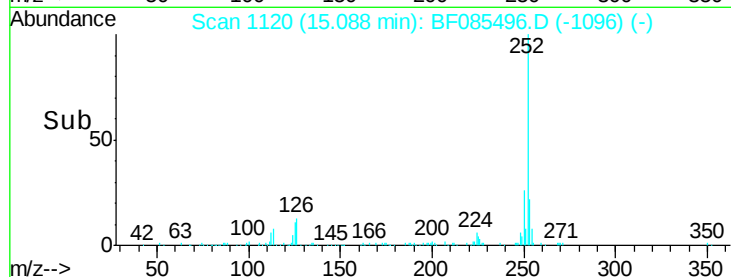
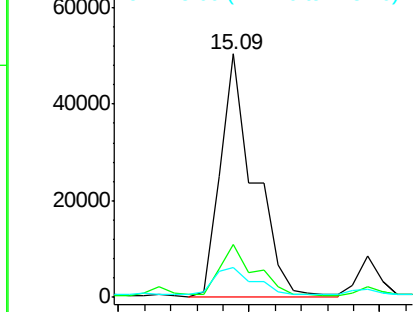
#87
Benzo(b)fluoranthene
Concen: 10.07 ng
RT: 15.09 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tgt Ion:252 Resp: 91834
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.5 11.3 16.9

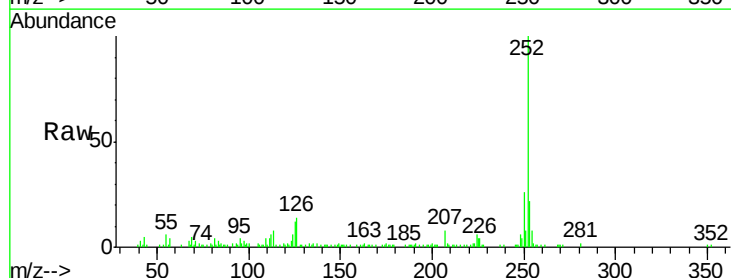


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

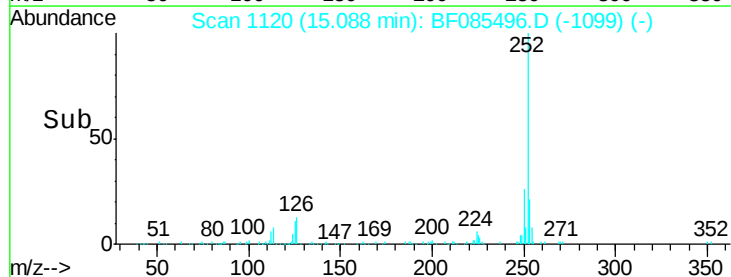
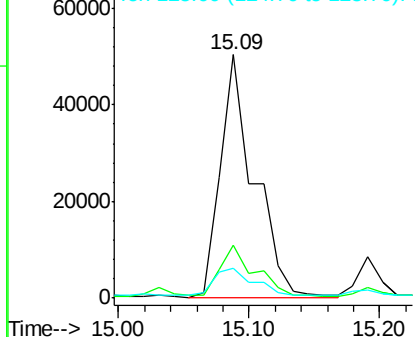


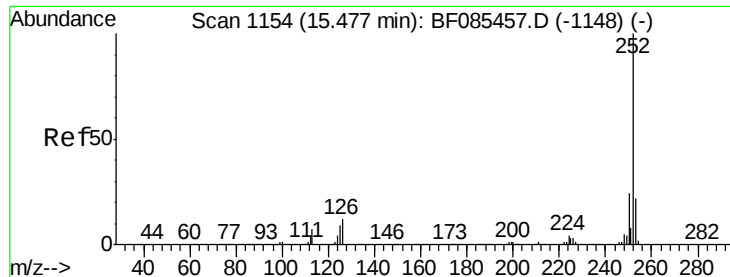
#88
Benzo(k)fluoranthene
Concen: 12.86 ng
RT: 15.09 min Scan# 1120
Delta R.T. -0.06 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion:252 Resp: 91834
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.5 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

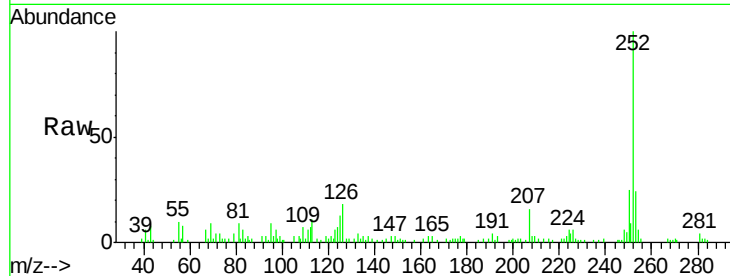




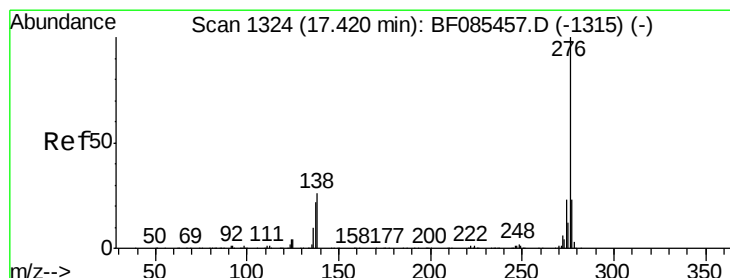
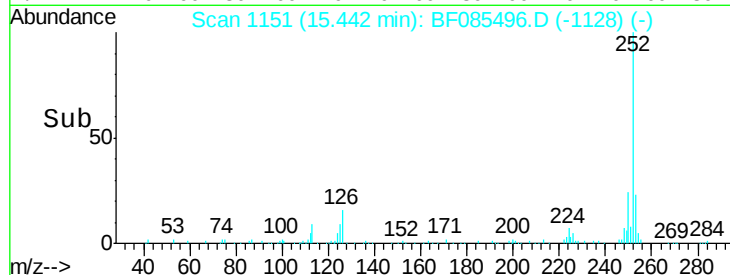
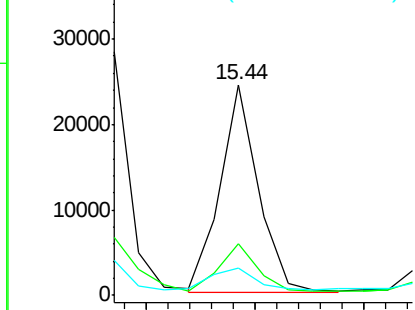
#89
Benzo(a)pyrene
Concen: 3.77 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	13.1	8.2	12.4

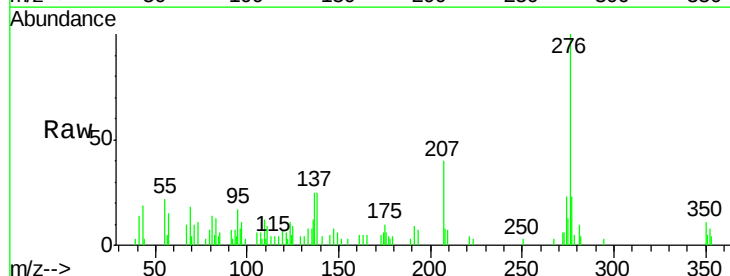


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.87 ng
RT: 17.36 min Scan# 1319
Delta R.T. -0.06 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	25.2	22.5	33.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

